

DZHAPARIDZE, T. K.

April 53

USSR/ Medicine - Dysentery

"New Serological Types of Dysentery Bacilli That Do Not Ferment Mannite," T. K. Dzhaparidze, Chair of Infectious Diseases, Tbilisi Med Inst

Zhur Mikro, Epid, i Immun, No 4, pp 55-61

Investigation of nonagglutinating strains that are biochemically related to Grigor'yev-Shiga bacilli resulted in the detection among them of 3 serological types (No 141, 61, and 1008) which have no antigenic similarity to Grigor'yev-Shiga bacilli. One may assume that Grigor'yev-Shiga bacilli are serologically inhomogenous and that the types isolated by Sachs, Novgorodskaya, and by the author are serological variations of these bacilli. (Acc to the Russian editors, the last statement requires further proof.)

252T26

BEKAURY, N.G.; DEHASHIASHVILI, T.K.; GAPIRINDASHVILI, R.T.; KVACHADZE, N.I.

Hydrogenation of phenol in the presence of new catalysts.  
Soob. AN Gruz. SSR 34 no.1:89 Ap'64 (MIRA 17:7)

DZHAPARIDZE, T.N., red.; MOISEYEV, I.N., red.; ALEKSEYEV, A.G.,  
tekhn. red.; VOLKOV, N.V., tekhn. red.

[Hydrological yearbook]Gidrologicheskii ezhegodnik. Leningrad,  
Gidrometeor. izd-vo. 1959. Vol.3.[Caucasian river basins]Bas-  
seiny rek Kavkaza. Nos.2-5.[Black Sea basin from the Kuban  
River basin to the border and the Caspian Sea basin southward  
from the Terek River basin to the border]Bassein Chernogo moria  
ot basseina r.Kuban' do gosudarstvennoi granitsy i bassein Kas-  
piiskogo moria k iugu ot basseina r.Terek do gosudarstvennoi  
granitsy. Pod red. T.N.Dzhaparidze. 1962. 376 p. (MIRA 15:12)  
(Caucasus--Hydrology--Tables, calculations, etc.)

DZHAPARIDZE, T.N., red.; MOISEYEV, I.N., red.; IVANOVA, Z.V.,  
tekhn. red.

[Hydrological yearbook] Gidrologicheskii ezhegodnik. Lenin-  
grad, Gidrometeoizdat. 1958. Vol.3. [Basins of the rivers of  
the Caucasus] Basseiny rek Kavkaza. Nos.2-5. [Basins of the  
rivers of the Black Sea from the basin of the Kuban River to  
the frontier and the basin of the Caspian Sea Southward from  
the basin of the Terek River to the frontier] Basseiny rek  
Chernogo moria ot basseina r. Kuban' do gosudarstvennoi gra-  
nitsy i bassein Kaspiskogo moria k iugu ot basseina r. Terek  
do gosudarstvennoi granitsy. Pod red. T.N.Dzhaparidze. 1962.  
418 p.

(Hydrology--Tables, calculations, etc.)

DZHAPARIDZE, T.N.

Influence of hypothermia on changes in the blood system caused by  
radiation sickness. Soob. AN Gruz. SSR 19 no.5:629-632 N '57.  
(MIRA 11:6)

1. Institut eksperimental'noy i klinicheskoy khirurgii i hematologii  
AN GruzSSR, Tbilisi. Predstavleno akademikom K.D. Eristavi.  
(RADIATION SICKNESS) (BODY TEMPERATURE)  
(BLOOD--ANALYSIS AND CHEMISTRY)

DZHAPARIDZE, T.N.

Changes in peripheral blood and bone marrow of irradiated dogs  
under conditions of hypothermia. Soob. AN Gruz. SSR 19 no.6:755-761  
D '57. (MIRA 11:6)

1. Institut eksperimental'noy i klinicheskoy khirurgii i hematologii  
AN GruzSSR, Tbilisi. Predstavлено академиком K.D. Eristavi.  
(RADIATION--PHYSIOLOGICAL EFFECT) (BLOOD--ANALYSIS AND CHEMISTRY)  
(MARROW) (BODY TEMPERATURE)

DZHAPARIDZE, T. N.: Master Med Sci (diss) -- "Changes in the blood system in  
radiation disease under conditions of hypothermia". Tbilisi, 1958, published by  
the Acad Sci Georgian SSR. 15 pp (Tbilisi State Med Inst), 200 copies (KL, No 7,  
1959, 128)

ABAKELIYA, TS.I.; DZHAPARIDZE, T.N.; GACHECHILADZE, M.G.

Effect of hypothermia on changes in blood protein composition during  
radiation sickness. Soob. AN Gruz. SSR 21 no.1:109-114 J1 '58.  
(MIRA 11:10)

1. AN GruzSSR, Institut eksperimental'noy i klinicheskoy khirurgii  
i gematologii, Tbilisi. Predstavлено akademikom K.D. Eristavi.  
(HYPOTHERMIA) (RADIATION SICKNESS) (BLOOD PROTEINS)

ZHVANIYA, T.O.; GACHECHILADZE, M.G.; DZHAPARIDZE, T.N.

Importance of the determination of the thyroid gland function  
by the method of radioactive indicators in a surgical clinic.  
Trudy Inst.eksp.i klin.khir.i nemat AN Gruz.SSR 10:237-245 '62.  
(MIRA 16:2)  
(THYROID GLAND) (IODINE ISOTOPES)

DZHAPARIDZE, T.N.

Changes in some components of the blood coagulation system in  
radiation sickness under hypothermal conditions. Trudy Inst.  
eksp.i klin.khir.i gemat. AN Gruz.SSR 10:277-281 '62.

(RADIATION SICKNESS) (BLOOD COAGULATION)  
(HYPOTHERMIA) (MIRA 16:2)

DZHAPARIDZE, T.N.

State of some indices of the blood coagulation system in acute  
and chronic experimental radiation sickness in hypothermia.  
Trudy Inst. eksp. i klin. khir. i gemat. AN Gruz. SSR 11:95-  
102 '63. (MIRA 17:8)

MACHABELI, M.S.; DZHAPARIDZE, T.N.; BOKERIYA, R.I.; LABAKHUA, G.Sh.;  
BEZARASHVILI, L.G. ; KIRNAVELIDZE, N.D.

Indices of the blood coagulation system in healthy dogs. Soob.  
AN Gruz. SSR 30 no.5:663-666 My '63. (MIRA 16:11)

1. Institut eksperimental'noy i klinicheskoy khirurgii i gemato-  
logii AN GruzSSR, Tbilisi. Predstavлено академиком K.D.Eristavi.

DZHAPARIDZE, V

USSR / Radio Physics, Application of Radio-Physics Methods.

-12

Abs Jour : Ref Zhur - Fizika No 3, 1957, No 7397

Author : Bebiashvili, Sh., Dzhaparidze, V.

Title : Twenty-Five Years of Soviet Television

Orig Pub : Metsnireba da tekhnika, 1956, No 4, 17-19

Abstract : No abstract

Card : 1/1

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DZHAPARIDZE, V.

DZHAPARIDZE, V.

Great achievement of the Soviet people. Sots. trud no.12:42-50 D '57.  
(Russia--Economic Conditions--Statistics) (MIRA 11:1)

AUTHORS: Sazonov, S., Dzhaparidze, V. 2-58-3-7/17

TITLE: On the Organization of State Statistics in the German Democratic Republic (Ob organizatsii gosudarstvennoy statistiki v Germanskoy demokraticeskoy respublike)

PERIODICAL: Vestnik Statistiki, 1958, Nr 3, pp 32-46 (USSR)

ABSTRACT: The article is a report by the following employees of the USSR Central Statistical Administration, (Sazonov, S.V.; Dzhaparidze, V.V.; Malychev, S.V., Statistical Administration of White Russian SSR; Melekhin, V.V., Leningrad Factory of Mechanized Calculations; and Nikitin, L.A., Moscow Repair-Mechanical Calculating Machine Factory) of a visit in October-November 1957 to East Germany. The visitors were impressed by the Germans' efficient organization and rapid processing of statistical material. A numeral system of product nomenclature for feeding statistics into calculating machines is praised, as are examples of standard forms for completion by industrial undertakings and firms and farms in state, co-operative and private sectors. Budget analysis is inefficiently carried out, however, and calculating station mechanization and organization is rather backward by Soviet standards, although computers and punchcard calculating

Card 1/2

2-58-3-7/17

On the Organization of State Statistics in the German Democratic Republic

machines produced by the Factory for Electronic Calculating Machines in Karl Marx-Stadt and the Rheinmetall Factory in Sömmerda (Thüringen) come in for praise. The Germans are commended for their success in producing full and reliable statistical abstracts, popularizing their statistical material, and using highly efficient photographic reproduction methods.

There is one table and two forms.

Card 2/2

AUTHOR: Dzhaparidze, V.

2-58-6-12/16

TITLE: A Discussion of Statistical Problems of the Chemical Industry  
(Obsuzhdeniye voprosov statistiki khimicheskoy promyshlennosti)

PERIODICAL: Vestnik statistiki, 1958, Nr 6, p 84 (USSR)

ABSTRACT: A conference of representatives of Gosplan organizations, the Upravleniya khimicheskoy promyshlennosti Moskovskogo oblastnogo sovnarkhoza (Administration of the Chemical Industry of the Moscow Oblast' Sovnarkhoz) and the Vsesoyuznyy nauchno-issledovatel'skiy institut plasticheskikh mass i smol (All-Union Scientific Research Institute of Plastics and Resins) was convened by the TsSU USSR. Problems covering the production of plastics and synthetic resins, their nomenclature, systematization, etc. were discussed. Since the production of synthetic material in the future will be based on natural and artificial gases, the main problem of industrial statistics will be the recording of the entire gas production of the USSR. Other fields to be covered by statistics are textiles made from artificial fibers and consumer goods originating from artificial and synthetic materials.

Card 1/2

A Discussion of Statistical Problems of the Chemical Industry 2-58-6-12/16

Card 2/2

KUPARADZE, Grigan Zosimovich; DZHAPARIDZE, V.V., red.; DMITRIYEV, B.Z.,  
red.; DZHIN, A.M., red.; SHAKHOV, Iu.A., tekhn.red.

[Economist's reference manual; industrial and agricultural]  
Spravochnik ekonomista; promyshlennost' i sel'skoe khoziaistvo.  
Moskva, Izd-vo GSKhK, 1960. 591 p.  
(MIRA 13:3)  
(Index numbers (Economics))

DZHAPARIDZE, V.

Shortcomings of a textbook ("Course on the industrial statistics" by  
A. Sukharev. Reviewed by V. Dzhaparidze). Vop. ekon. no.1:146-149  
Ja '60. (MIRA 13:1)  
(Industrial statistics)

VIDREVICH, Yakov Veniaminovich ; BAKLANOVA, G.I., red.; DZHAPARIDZE,  
V.V., red.; SHENTSIS, Ye.M., red.; IL'YUSHENKOVA, T.P., tekhn.  
red.;

[Statistics in textile industry enterprises] Statistika na pred-  
priatiakh tekstil'noi promyshlennosti. Pod red. G.I.Baklanova i  
V.V.Dzhaparidze. Moskva, Gosstatizdat, 1962. 167 p.  
(MIRA 15:6)  
(Textile industry—Statistics)

VYKHODTSEV, Semen Vasil'yevich; BAKLANOV, G.I., red.; DZHAPARIDZE,  
V.V., red.; PRIVEZENTSEVA, A.G., red.; PYATAKOVA, N.D.,  
tekhn. red.

[Statistics of the petroleum industry] Statistika neftianoi  
promyshlennosti. Moskva, Gosstatizdat 1962. 278 p.  
(MIRA 16:4)  
(Petroleum industry--Statistics)

KUNDIN, Mikhail Borisovich. Prinimal uchastye LESKCHINSKIY, M.I.,  
kand. ekon. nauk; BAKLANYOV, G.I., red.; DZHAPARIDZE, V.V.,  
red.; FRIOLOVA, N.F., red.

[Statistics of the coal industry] Statistika ugoł'ni pro-  
myshlennosti. Moskva, Statistika, 1965. 119 p.  
(MLRA 18:9)

BARDIN, I.; BELAN, R.; BEKETIN, N.; BOYKO, V.; BORISOV, A.; BYCHKOV, V.;  
VASILENKO, S.; VINOGRADOV, V.; VISHNEVSKIY, A.; VODNEV, G.; DVORIN,  
S.; DZHAPARIDZE, Ye.; DUDENKO, V.; D'YAKOV, N.; ZHURAVLEV, S.;  
ZAKHAROV, A.; IVANOV, I.; KIRSANOV, M.; KOLYADA, G.; KOROBOV, P.;  
LESKOV, A.; LUKICH, L.; LYUBIMOV, A.; MELESHKIN, S.; MYRTSYMOV, A.;  
PERTSEV, M.; PETRUSHA, F.; PITERSKIY, A.; POPOV, I.; RAYZER, D.;  
ROZHKOV, A.; SAPOZHNIKOV, L.; SEDOV, P.; SOKOLOV, P.; TEVOSYAN, I.;  
TIKHONOV, N.; TISHCHENKO, S.; FILIPPOV, B.; FOMENKO, N.; SHELKOV,  
A.; SHERENGET'YEV, A.

Fedor Aleksandrovich Merkulov. Koks i khim.no.7:62 '56. (MLRA 9:12)  
(Merkulov, Fedor Aleksandrovich, 1900-1956)

DZHAPARIDZE, Ye.; MASLENNIKOV, A.

Promote the role of primary organizations. NTO 2 no.5:53-54  
My '60. (MIRA 14:5)

(Iron industry—Technological innovations)  
(Steel industry—Technological innovations)

Dzhaparidze, Ye. A.

133-11-12/19

AUTHOR: Dzhaparidze, Ye. A.

TITLE: Power Economy on Iron and Steel Works (Energeticheskoye khozyaystvo zavodov chernoy metallurgii)

PERIODICAL: Stal', 1957, No.11, pp. 1017 - 1023 (USSR).

ABSTRACT: Development of the power-generating capacity and the utilisation of available fuel on iron and steel works is outlined in general terms.

There are 4 figures and 1 table.

AVAILABLE: Library of Congress

Card 1/1

KOROBOV, P.I.; KHLIBENIKOV, V.B.; BOL'SOV, A.F.; SKOCHINSKIY, A.A.; SHEVYAKOV, L.D.; MEL'NIKOV, N.V.; KOLESKIN, F.M.; MOSHAL'KOV, Ye.F.; POKROVSKIY, M.A.; KAPLENOK, R.P.; BOGGLYUBOV, B.P.; A. JUTIUNOV, N.B.; BOYKO, V.Ye.; BUL'ZA, N.N.; FEDOROV, V.F.; AGOSHKOV, M.I.; BAIOMENKOV, A.V.; VORONIN, L.N.; IPATOV, P.M.; MAZAROV, P.P.; SLUJSKAYA, O.M.; CHIRIENKO, N.B.; FABINOVICH, V.I.; SIVINSKIY, V.N.; TROITSKIY, A.V.; GOL'DIM, Ya.A.; DZIAPARIDZE, Ye.A.; ZHURAVLEN, S.P.; KUZNETSOV, K.K.; KALNICH, N.A.; MARINENKO, M.P.; NAKHNOV, G.P.; NATAPOV, P.F.; PETROV, M.A.; ROSSIT, A.F.; VASNOV, A.A.; SOSLODOV, O.O.; VENADADOV, V.S.; ZUBANOV, S.N.; SLEPARENKO, I.P.

Nikolai Nikolaevich Patrikeev; an obituary. Gor. zhur. no.6:76 Je (MIRA 14:2)  
'60.

(Patrikeev, Nikolai Nikolaevich, 1890-1960)

DZHAPARIDZE, Ye.A.

Improve power supply in metallurgical plants. Stal' 24  
no.10:855-859 0 '64. (MIRA 17:12)

je. Gosudarstvennyy komitet po chernoy i tsvetnoy metallurgii pri  
Gosplane SSSR.

L 46120-66 EWT(1)/EEC(k)-2/T IJP(c)

ACC NR: AP6024547

SOURCE CODE: UR/0251/66/042/003/0547/0550

AUTHOR: Gogava, L. A.; Nakashidze, G. A.; Delerzon, N. M.; Dzhaparidze, Ye. G.;  
Kakhabrishvili, I. V.; Ter-Sarkisova, A. G.66  
BORG: Academy of Sciences, Georgian SSR, Institute of Cybernetics (Akademiya nauk  
Gruzinskoy SSR, Institut kibernetiki)TITLE: Photoelectric characteristics of a two-terminal p-n-p-n type transistor switch

SOURCE: AN GruzSSR. Soobshcheniya, v. 42, no. 3, 1966, 547-550

TOPIC TAGS: electronic switch, germanium transistor, photosensitivity, volt ampere  
characteristic, pn junction, photoelectric property

ABSTRACT: The article deals with the method of fabrication and photoelectric characteristics of germanium-base p-n-p-n type transistor switches. The starting material was a p-type wafer with a resistivity of 5 ohms·cm and dimensions of 1.3x1.3x0.08 mm. Two p-n junctions were obtained by diffusing antimony into both surfaces of the original wafer and the third, by alloying indium into one of the diffused layers. Ohmic contact on the opposite side was accomplished by doping with tin (Fig. 1). In the presence of a fixed bias lower than the switching

Card 1/3

L 46120-66  
ACC NR: AP6024547

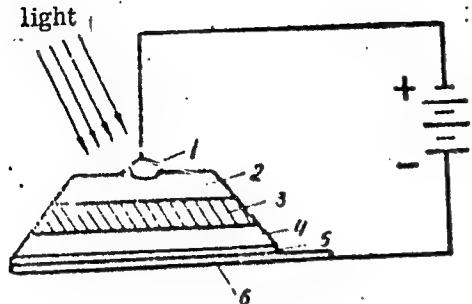


Fig. 1. Structure of two-terminal p-n-p-n type switch:

1 - rectifying nickel contact; 2, 4 - diffused n-layers; 3 - original p-type germanium; 5 - ohmic contact (tin); 6 - nickel holder

voltage the device is in the "off" state (point A on V-I characteristic in Fig. 2) and displays a high resistance of the order of several megohms. On illumination the switch changes from "off" state to "on" state (point B in Fig. 2) considering that the fixed bias voltage is then sufficient for breakdown of the center p-n junction. In this position the resistance of the device is of the order of several ohms. An investigation of V-I characteristics in the presence of darkness and various degrees of illumination conclusively proved that switching voltage decreases with increasing illumination. The minimum illumination required to switch the device is of the order of 100-150 lux. Further improvements in the design and fabrication of transistor switches should make it possible to develop more photosensitive and stable devices

Card 2/3

L 46120-66

ACC NR: AP6024547

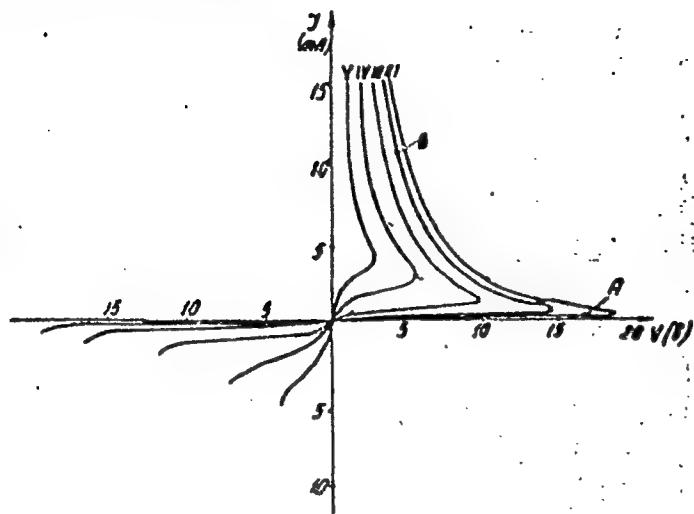


Fig. 2. V-I characteristic of p-n-p-n switch in the presence of varying degrees of illumination:

I - darkness; II - illumination of 460 lux; III - 920 lux; IV - 1840 lux; V - 2760 lux; VI - 5060 lux

of this kind with a switching time of less than  $10^{-6}$  sec. Orig. art. has: 5 figures and 1 table.

SUB CODE: 09,20

SUBM DATE: 25Jun65/ ORIG REF: 002/ OTH REF: 001

Card

3/3

BALABUYEV, A.G.; GEVONDYAN, M.G.; DZHAPARIDZE, Ye. X.

Amount of dust in the air in Tiflis. Soob. AN Gruz. SSR 19  
no.5:551-556 N '57. (MIRA 11:6)

1. Institut geofiziki AN GruzSSR, Tbilisi i Nauchno-issledovatel'skiy  
sanitarnyy institut GruzSSR. Predstavлено akademikom Ye. K. Kharadze.  
(Tiflis--Dust)

DZHAPARIDZE, Ye.K., nauchnyy sotrudnik

Determination of small quantities of barium in natural waters  
contaminated by industrial wastes. Gig. i san. 24 no.6:79  
Je '59. (MIRA 12:8)

1. Nauchno-issledovatel'skiy sanitarnyy institut Ministerstva  
zdravookhraneniya Gruzinskoy SSR.

(WATER POLLUTION

by indust. wastes, determ. of small quantities  
of barium in natural waters (Rus))

(BARIUM, determ.

in natural waters contaminated by indust.  
wastes, determ. of small quantities (Rus))

DZHAPARIDZE, Z. N.

Contemporary ear marks used by cattle farmers of the  
Avars'koye Koy'u Valley. Soob. AN Gruz. SSR 31 no. 3:  
757-764 S '63. (MIRA 17:7)

STRUCTURE, PRODUCTION, AND PROPERTIES OF POLYMERS

**Volumetric determination of potassium** L. V. Tumanyan and R. Dzhaparidze, *Zavodskaya Khim. G*, 9, 1079-82 (1937).—In the modification of the Nikolakil and Lavrov method (*C. A.*, 28, 3335) for detg. K, the back titration of the excess  $\text{Ca}(\text{Fe}(\text{CN})_6)$  is made unnecessary by converting the fairly sol.  $\text{K}_2\text{Ca}(\text{CN})_6$  into the mud crust, form by evapn. to dryness and titrating it directly in  $\text{H}_2\text{SO}_4$  soln. with  $\text{KMnO}_4$ . To det. K in the presence of sulfates, treat the soln. with excess  $\text{CaCl}_2$  soln. (50 g.  $\text{CaCl}_2$ , 500 cc.  $\text{H}_2\text{O}$  and 200 cc. of 10% aq.), filter from the  $\text{CaSO}_4$  and wash it with  $\text{H}_2\text{O}$ . Evap. the filtrate to a 40-50 cc. vol., add excess  $\text{Ca}(\text{Fe}(\text{CN})_6)$  soln. and evap. to dryness. Treat the residue with 5cc.  $\text{H}_2\text{O}$  to dissolve any impurities of  $\text{Na}_2\text{Ca}(\text{CN})_6$  and  $\text{Ca}(\text{Fe}(\text{CN})_6)$ , add 15 cc. of the  $\text{CaCl}_2$  soln., filter and wash the  $\text{K}_2\text{Ca}(\text{CN})_6$  ppt. 4-6 times with the  $\text{CaCl}_2$  soln. Let the aq. evap. at room temp. or by heating in an oven at a moderate temp., transfer the ppt. with the filter into a flask, add 250-300 cc.  $\text{H}_2\text{O}$  and enough  $\text{H}_2\text{SO}_4$  to dissolve the ppt. and titrate with 0.1 N  $\text{KMnO}_4$  in the presence of methyl

violet sol. C. L. 26, 8(7): 10K<sub>2</sub>CaFe(CN)<sub>6</sub> + 2KMnO<sub>4</sub> + 8H<sub>2</sub>SO<sub>4</sub> + 10KCa[Fe(CN)<sub>6</sub>] + 6K<sub>2</sub>SO<sub>4</sub> + 2MnSO<sub>4</sub> + 8H<sub>2</sub>O. To let K in cannulae, dissolve 1.2 g. in H<sub>2</sub>O, then add water until the filtrate with excess NaOH, neutralize the filtrate with HCl to methyl orange, add Ca[Fe(CN)<sub>6</sub>]<sub>2</sub>, evap. to dryness and proceed as above. The detn. is accurate to 0.1%.

Chas. Blank

#### 430.164 METALLURGICAL LITERATURE CLASSIFICATION

12.

APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R000411830002-2"

DATA RELEASE

7  
Titration curves in the system  $Cd^{++} + Rb^+ + Fe(CN)_6^{4-}$ . Iu. Tananayev and E. S. Dzhaparidze. *Bull. acad. sci. U. R. S. S., Classe sci. math. nat., Ser. chim.* 1938, No. 2, 530-45 (in English, 515). The equivalence point corresponding with  $Cd_4Fe(CN)_6$  in dil. soln. is displaced by addn. of more than 4KCl 15Cd, owing to formation of  $RbCdFe(CN)_6$ . The effect of  $RbCl$  is more pronounced, and  $Rb_2CdFe(CN)_6$  is formed. B. C. P. A.

AMSLA METALLURGICAL LITERATURE CLASSIFICATION

DZHAPARIDZE, E. S.

Chemical Abst.  
Vol. 48 No. 4  
Feb. 25, 1954  
Inorganic Chemistry

The reaction between bivalent manganese ions and  $K_4Fe(CN)_6$ . I. V. Tananev and E. S. Dzhaparidze, *J. Gen. Chem. U.S.S.R.* 21, 1007-1100 (1951) (Eng. translation); *Zhur. Obshch. Khim.* 21, 1000-10 (1951).—The solv. and cond. of mixts. of  $MnSO_4$  and  $K_4Fe(CN)_6$  in water were studied.  $MnK_4Fe(CN)_6$  (I) is less sol. than  $Mn_2Fe(CN)_6$ , and under most conditions I is the solid phase at 25°. One of the principal factors affecting the compn. of the solid is the concn. of  $K^+$ , which depends on the amount of  $K_4Fe(CN)_6$  added. When the total concn. of  $MnSO_4$  and  $K_4Fe(CN)_6$  is less than 0.03M, and the ratio  $K_4Fe(CN)_6 : MnSO_4$  in the mixt. is small, the solid phase is  $Mn_2Fe(CN)_6$  contaminated with I. No  $Mn_2Fe(CN)_6$  is pptd. at higher concns., regardless of the ratio of reactants, or at concns. as low as  $6 \times 10^{-4}M$  at ratios of 1.25 or greater. The cond. curve at all concns. passes through a min. at unity ratio, which corresponds to the compn. of I. Analyses of 0.0160M  $MnSO_4$  solns. show that the solid is I at  $K_4Fe(CN)_6 : MnSO_4$  ratios between 0.128 and 0.170. Solv. and cond. data indicate no solid solns. are formed. Addn. of  $K_4Fe(CN)_6$  to  $MnSO_4$  produces a sol very sharply at unity ratio. Several methods for the analysis of  $Mn^{2+}$  are suggested by gravimetric, volumetric, potentiometric, turbidometric, and conductometric methods based on the formation of I.

Bernard M. Zeffert

7-27-54

137-58-6-13883

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 6, p 381 (USSR)

AUTHORS: Dzhaparidze, Ye.S., Bershadskaya, O.D.

TITLE: On the Problem of Determination of Silicon in Ferroboron (K voprosu opredeleniya kremniya v ferrobore)

PERIODICAL: Tr. In-ta metalla i gorn. dela. AN GruzSSR, 1957, Vol 8, pp 251-252

ABSTRACT: In determining Si in Fe-B the B is previously distilled off together with Si in the form of fluorides and, B having been determined in a separate weighed portion, Si is calculated from the difference. 0.25 - 0.5 g of FeB is placed in a weighed Pt dish and moistened with water; 10-15 cc of HF are added, then  $\text{HNO}_3$  is added dropwise until the violent reaction ceases. 10 cc 1:1  $\text{H}_2\text{SO}_4$  is then added and the solution is evaporated to dryness. The dry residue is calcined at  $900-1000^\circ\text{C}$  for 30 min, cooled, and weighed. Fe and Ca are determined in the residue. In a separate weighed portion B is determined and the Si content is calculated from the difference. The proposed method has adequate precision. 1. Silicon--Determination 2. Boron-iron alloys--Chemical reactions 3. Boron-iron alloys--Analysis . V.N.

Card 1/1

SOV/137-58-9-18310

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 9 p 12 (USSR)

AUTHORS: Dzhaparidze, Ye. S., Gorgishvili, D. A.TITLE: On the Problem of Determination of  $Mn^{2+}$  and  $Mn^{3+}$  in the Products of the Agglomeration of Manganese Ores (K voprosu o perekheleniya  $Mn^{2+}$  i  $Mn^{3+}$  v produktakh aglomeratsii margantsevikh rud)

PERIODICAL: Soobshch. AN GruzSSR, 1957, Vol 19, Nr 2, pp 159-164

ABSTRACT: In the process of agglomeration of Mn ores there occurs a reduction of  $MnO_2$  to  $MnO_3$  and  $Mn_3O_4$ . The method developed by the authors for the direct determination of these Mn oxides in the agglomerate by using a mixture of 10% solution of Na pyrophosphate and 1N  $H_2SO_4$  is described. The determination of trivalent Mn was conducted by direct titration with Mohr's salt in an acid pyrophosphate medium and that of the bivalent Mn by titration with  $KMnO_4$  in a neutral pyrophosphate medium. The method for the procedure of the analysis, the verification of this method, and also the control by means of these methods of analysis of the process of decomposition of  $MnO_2$  of the Nikopol and Chiatura ore at various temperatures. A. P.

Card 1/1

1. Manganese ores--Properties
2. Manganese oxides--Determination
3. Titration--Applications

SOV/137-59-1-2150

Translation from: Referativnyy zhurnal. Metallurgiya, 1959, Nr 1, p 282 (USSR)

AUTHORS: Dzhaparidze, Ye. S., Gorgishvili, D. A.

TITLE: On the Analysis of Solutions Containing Ions of Manganese of Different Valence (K voprosu analiza rastvorov, soderzhashchikh iony margantsa razlichnoy valentnosti) in Georgian

PERIODICAL: Soobshch. AN GruzSSR, 1957, Vol 19, Nr 4, pp 407-414

ABSTRACT: The authors have developed methods for the quantitative determination of Mn ions of different valence when they are present jointly in solutions, particularly in mixtures containing  $Mn^{2+}$  and  $Mn^{3+}$ ,  $MnO_4^-$  and  $MnO_4^{2-}$ , or  $Mn^{3+}$  and  $Mn^{4+}$ . To determine  $Mn^{2+}$  and  $Mn^{3+}$  in a mixture,  $Mn^{3+}$  is titrated directly with a solution of Mohr's salt in an acid medium containing  $Na_4P_2O_7$ , and  $Mn^{2+}$  is determined potentiometrically in a neutral pyrophosphate medium. Determination of  $MnO_4^-$  and  $MnO_4^{2-}$ , and of  $Mn^{3+}$  and  $Mn^{4+}$  in separate mixtures consists of the determination of the total oxidizing capacity of solution (A) and of the determination of the total Mn content in the other portion of the solution by potentiometric titration in a neutral pyrophosphate medium after the Mn ions have been reduced to  $Mn^{2+}$ . Then by

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SOV/137-59-1-2150

On the Analysis of Solutions Containing Ions of Manganese of Different Valence

multiplying the total Mn contents by a suitable factor the oxidizing capacity of the mixture is obtained with either  $\text{KMnO}_4$ ,  $\text{K}_2\text{MnO}_4$ , or  $\text{MnO}_2$  alone present in it (B). The amounts of the compounds sought are calculated according to their respective formulae on the basis of the values obtained for A and B. In an acid pyrophosphate medium the reduction of higher-valence Mn ions to  $\text{Mn}^{2+}$  with Mohr's salt solution proceeds with the formation of an intermediate pyrophosphate  $\text{Mn}^{3+}$  complex of a dark crimson color. The discoloration of the solution occurs very sharply upon the addition of 1 drop (without indicator). The above analytical procedure is very simple and takes 15-20 min.

V. N.

Card 2/2

DZHAPARIDZE, Ye.S.; GORGISHVILI, D.A.

Analysis of certain titanium-containing materials. Trudy Inst.  
met. AN Gruz.SSR 9:263-269 '58. (MIRA 12:8)  
(Metallurgical analysis) (Titanium)

DZHAPARIDZE, Ye.S.; GORGISHVILI, D.A.

Separating manganese in the form of a dioxide from nickel and cobalt. Trudy Inst. met. AN Gruz. SSR vol. 13:255-263 '62.  
(MIRA 17:9)

DZHAPLASHVILI, V.P.

Observations of lunar occultations of stars at the Abastumani Observatory.  
Astron.tsir. no.135:23 F '53. (MLRA 6:6)

1. Abastumanskaya astrofizicheskaya observatoriya na gore Kanobili.  
(Occultations)

DZHAPIASHVILI, V.P.

Distribution of brilliance in the earth's umbra and penumbra according to electrophotometric observations of the total lunar eclipse of December 8, 1946. Biul. Abast. astrofiz. obser. no.17: 29-43 '54. (MLRA 8:10)

(Eclipses, Lunar--1946)

DZHAPIASHVILI, V. P.

DZHAPIASHVILI, V. P. --"Investigation of Polarization Properties of Portions of the Moon's Surface Using Electrophotometric Measurements." \*(Dissertations for Degrees in Science and Engineering Defended at USSR Higher Educational Institutions) Min of Higher Education USSR, Khar'kov Order of Labor of Red Banner State U

SO: Knizhnaya Letopis', No. 25, 18 Jun 55

\* For the Degree of Doctor of Physicomathematical Sciences

DZHAPIASHVILI, V.P.

KHARADZE, Ye.K.; DZHAPIASHVILI, V.P.

Observations of lunar occultations of stars at the Abastumani  
Astrophysical Observatory in 1954. Astron.tsir.no.156:23-24  
Ja'55. (MLRA 8:10)

1. Abastumanskaya astrofizicheskaya observatoriya no gore Kano-  
bili. (Occultations)

DZHAPIASHVILI, V.P.

Partial lunar eclipse of November 29, 1955. Astron.tsir.no.166:  
6-7 Ja '56. (MLRA 9:7)

1. Abastumanskaya astrofizicheskaya observatoriya na gore  
Konebili.  
(Eclipses, Lunar - 1955)

DZHAPIASHVILI, V.P.

Electropolarimetry of the lunar surface. Astron.tsirk. no.167:16-19  
F '56. (MLRA 9:9)

1. Abastumanskaya astrefizicheskaya observatoriya na gore Kanobili.  
(Moon--Surface) (Polarization (Light))

DZHAPIASHVILI, V. R.

DZHAPIASHVILI, V. R., KHARADZE, Ye. K., etv. red.; TODUA, A., tekhn. red.

[Use of photoelectric measurements for investigating polarizing properties of lunar surface formations [in Russian with summary in Georgian and English]] Issledovaniia polarizatsionnykh svoistv obrazovaniii lunnoi poverkhnosti po elektrofotometricheskim izmereniiam. Tbilisi, 1957. 165 p. (Abastumani, Astrofizicheskaiia observatoriia. Biulleten', no. 21). (MIRA 10:12)  
(Moon--Surface) (Polarization) (Photoelectric measurements)

68574

CPV35-69-11-9-34

3.1550

Translation from: Referativnyy zhurnal, Astronomiya i Gidrofizika, 1979, Nr. 11, p. 73  
(USSR)

AUTHOR: Dzhapashvili, V.P.

TITLE: The Study of Polarizational Properties of Formations on the lunar  
Surface According to Electric-Photometrical Measurements

PERIODICAL: Byul. Akademii Nauk GSSR, astrofiz. obozr., 1977, Vol. 21, No. 7, p. 1111. (Summary  
in Engl., Georgian)

ABSTRACT: The first part of the work is composed of a history, in which it is ex-  
plained the value of the investigations of the Moon's surface morphology,  
geology, and other sections of science. There is a concise history  
of the problem, and a description of the Moon's relief and hypotheses  
are cited, which explain its formation; there follows a detailed  
analysis of the methods and results of investigating the Moon with the  
aid of photometry, colorimetry, and radiometry. There is also a general  
account of the polarization of light, reflected by the surface in  
general, and by the surface of the Moon in particular, and the main  
problems, methods and results of polarimetric studies of the Moon are  
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68574

134/35-3941.9134

The Study of Polarizational Properties of Formations on the Lunar Surface in Relation to Electric-Photometric Measurements

examined. In the second part there is a detailed report of the experimental methods and apparatus used by the author, at the Abtsumskiy Observatory. The work was carried out during 1950-1953, with the help of a stellar elecrophotometer with an additional cesium photocell mounted on a 330-mm reflector. A special inverting-lens shows that the optics of the reflector creates a parasitic polarization according to [6]. During observations of the Moon a herspathite polaroid was used as analyzer. Over 40 details were chosen on the Moon's disk, for which the degree and position of the polarization plane were measured during various phases and calculated according to the formulae of V.G. Pesenkov. The stop of the photometer cut out a section of 12"5 or 25 mm of the Moon. The root-mean-square error for the degree of polarization according to G.G. Gorb, for the angle of the position of the polarization plane  $\pm 19.7^\circ$  (the mean error is  $\pm 5^\circ$ ), incorporating 1,371 measurements over a period of 148 nights, are presented in a form of detailed tables, and also, a separated set of graphs in the supplement, representing for each detail, the dependence of the degree of polarization on the angle of the zenith, the incident angle of the solar rays, and the azimuth of the reflected ray, and also the orientation of the polarization plane, depending on the phase angle. The data confirm

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✓

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307/33-594-179-34

The Study of Polarizational Properties of Formations on the Lunar Surface According to Electric-Photometrical Measurements

that the maximum of polarization for the greater number of objects coincides with the moments of quadrature. For objects which do not follow this rule, deviations from  $90^\circ$  of the phase angle, corresponding to the maximum, are insignificant, mainly being in a range of  $\pm 10^\circ$ . There is a symmetry manifested in the fact that objects with the positive sign of deviation are concentrated in the eastern half of the disk, with the negative in the western one. The greatest polarization in the maximum, is given by the seas, (on the average 16.3%) the least, - by the continents and light zones (11.2%), intermediate values pertain to craters (13.2%) and bright rays (13.9%). The author attributes these differences to an uneven degree of surface granulation (the greater the granulation, the lower the polarization) and connects them with the relative age of the formations, in the sense, that high polarization signifies a young formation. Correlations are cited of maximum polarization with the size of craters, the question is discussed of the reality of the negative polarization on the Moon, and a plan of further work for studying the polarization of lunar formations is given.

Bibl. 175 titles.

7.7. G. 39427

Card 3/3

DZHAPIASHVILI, V.P.

Observations of Arend-Roland's comet at the Abastumani Astro-  
physical Observatory. Astron.tsir. no.180:14-15 My '57.  
(MIRA 13:4)

1. Abastumanskaya astrofizicheskaya observatoriya na gore  
Kanobili.  
(Comets--1956)

Liaison - 4.20

Translation from *Referatirnyy zhurnal, Astronomicheskaya obshchostvo, 1969*, v. 1, p. 71  
(USSR)

AUTHOR: Chapashvili, V.P.

TITLE: On the Visual Observations of Mars in 1957. In the Soviet

PUBLICATION: *Astron. tsirkulyar*, 1957, Oct. 3, No. 18, pp. 16 - 14

ABSTRACT: The observations were carried out by the author, V.P. Chapashvili, and Ye.K. Kokhan, with the aid of a 40-cm refractor equipped with a telescope, from the end of June to the end of October 1957. In the first half of August, the division of the polar cap into two was noted, while in the 27th of August, it was divided into three parts and, following this, it disappeared in the beginning of September. A bright spot near the southern pole was observed on the 7th September, which was identified with the polar cap. The succession of observed changes in the polar cap indicates a quick thawing, and not an apparent disappearance of the cap behind a dust haze. The appearance of bright white spots was noted on the 23rd August, indicating a fall of snow on Mars, and also the excessive dust content of Mars' atmosphere near the point of opposition.

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V.P. Chapashvili

*in Abastumani Astrophysical observatory*

3(1)

SOV/30-58-11-7/48

AUTHORS: Kharadze, Ye. K., Dzhapiashvili, V. P., Megrelishvili, T. G.

TITLE: Investigations of the Moon and the Planets in Abastumani  
(Lunnyye i planetnyye issledovaniya v Abastumani)

PERIODICAL: Vestnik Akademii nauk SSSR, 1958, Nr 11, pp 42-45 (USSR)

ABSTRACT: Many important data for research-work on the moon and the planets are obtained by photometric, colorimetric, and polarimetric examinations. At the Abastumanskaya astrofizicheskaya observatoriya Akademii nauk Gruzinskoy SSR (Abastumanskaya Astrophysical Observatory of the AS ~~Georgian~~ SSR) polarization properties of the moon surface were investigated according to the method of precise electro-photometry in the course of recent years. Photometry of the moon is also important in connection with lunar eclipses. During the great Mars opposition in 1956 visual, photographic, and electro-polarimetric observations of the planet were carried out at the **Abastumani Observatory**. Recently at this observatory a self-recording electro-polarimeter of the system according to V. I. Myukhkyur' has been installed and is now employed for systematical measurements of the **lunar** surface. This device will

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SOV/30-58-11-7/48

Investigations of the Moon and the Planets in Abastuman'

also be used for the observation of Mars, Jupiter, and its satellites. V. G. Fesenkov, Member, Academy of Sciences, USSR, worked out the theoretical basis of a method for the investigation of night effects in the terrestrial atmosphere. By this method it was possible to investigate the terrestrial atmosphere up to an altitude of 120 to 130 km. Since 1952 electro-photometric observations of the luminescence of nocturnal sky especially in the infrared spectral region are carried out at the observatory Abastuman'.

Card 2/2

SOV/35-59-8-6196

Translation from: Referativnyy zhurnal, Astronomiya i Geodeziya, 1959,  
Nr 8, p 15

AUTHOR: Dzhapiashvili, V.P.

TITLE: The Observation of the Occultations of Stars and Saturn by the  
Moon at the Abastumani Astrophysical Observatory in 1957

PERIODICAL: Astron. tsirkulyar, 1958, May 8, Nr 191, pp 24 - 25

ABSTRACT: Twenty-four moments of the occultation of stars and one moment  
of the occultation of Saturn by the Moon are given.

Card 1/1

DZHAPIASHVILI, V. P. and KSANFOMALITI, L. V.

First Results from Observations of the Moon by Means of a Polarimeter

report presented at the International Symposium on the moon, held at the  
Pulkovo Observatory, Leningrad, USSR, 6-8 Dec 1960.

DZHAPIASHVILI, V.P.

Observations of lunar occultations of stars at the Abastumani Astronomical Observatory in 1959. Astron.tsir. no.210:29-30 Ap '60.  
(MIRA 13:9)

1. Abastumanskaya astrofizicheskaya observatoriya na gore Kanobili.  
(Occultations)

DZHAPIASHVILI, V.P.

Observations of lunar occultations of stars in Abastumani during  
the first quarter of 1960. Astron.tsir. no.211:33-34 My '60.  
(MIRA 13:10)

1. Abastumanskaya astrofizicheskaya observatoriya.  
(Occultations)

DZHAPIASHVILI, V.P.; CHIPASHVILI, D.G.

Observations of lunar occultation of stars in the second quarter  
of 1960 in Abastumani. Astron. tsir. no. 214:23 S '60.  
(MIRA 14:1)

1. Abastumanskaya astrofizicheskaya observatoriya.  
(Occultations)



DZHAPIASHVILI, V.P.

Observations of lunar occultations of stars in Abastumani in the  
third quarter of 1960. Astron.tsir. no.217:15-16 D '60. (MIRA 14:3)

1. Abastumanskaya astrofizicheskaya observatoriya.  
(Occultations)

DZHAPIASHVILI, V.P.

Observations of lunar occultations of stars in Abastumani.  
Astron.tsir. no.224:36-37 Ag '61. (MIRA 16:1)

1. Abastumanskaya astrofizicheskaya observatoriya.  
(Occultations)

DZHAPIASHVILI, V.P.

Observations of lunar occultations of stars in Abastumani.  
(MIRA 16:1)  
Astron.tsir. no.226:16 0 '61.

1. Abastumanskaya astrofizicheskaya observatoriya.  
(Occultations)

DZHAPIASHVILI, V.P.; KHARADZE, Ye.K.

Observations of lunar occultations of Venus in Abastumani  
October 7, 1961. Astron.tsir. no.227:23-24 F '62. (MIRA 16:1)

1. Abastumanskaya astrofizicheskaya observatoriya.  
(Occultations) (Venus (Planet))

DZHAPIASHVILI, V.P.

Observations of lunar occultations of stars in Abastumani  
in 1961. Astron. tsir. no.228:32 Ap '62. (MIRA 16:6)

1. Abastumanskaya astrofizicheskaya observatoriya.  
(Occultations)

KASNFOMALITI, L.V.; DZHAPIASHVILI, V.P.

Polarimetric images of the moon. Astron.tsir. no.231:12-14 N '62.  
(MIR 16:4)

1. Abastumanskaya astrofizicheskaya observatoriya AN Gruzinskoy SSR  
na gore Kanobili.

(Moon—Surface)

DZHAPIASHVILI, V.P.

DZJAPIASHVILI, V.P., Ksanfomaliti, L.V.

Electronic Polarimetric Images of the Moon

Report to be submitted for the 4th International Space Science Symposium  
(COSPAR) Warsaw, 2-12 June 63

DZHAPIASHVILI, V.F.; KHARADZE, Ye.K.

Observations of lunar occultations of stars in Abastumani in  
1962. Biul. Inst. teor. astron. 9 no.9:627 '64.

(MRS 17-12)

1. Abastumanskaya astrofizicheskaya observatoriya.

DEHAPIASHVILLI, V.P.; SALUKVADZE, G.N.

Photographic photometry of comet Arend-Roland (1956 h). Biul. Akad. <sup>Astr.</sup>  
astrofiz. obser. 32:155-159 '65. (MIRA 18:10)

SLUKVADZE, G.N.; DSHAPIASHVILI, V.P.

Photographic observations of comet Mrkos (1957 d). Biul. Abast. astrofiz.  
obser. 32:161-164 '65. (MIRA 18:10)

USSR/Human and Animal Physiology - The Effect of Physical Factors. T  
Ionizing Radiation.

Abs Jour : Ref Zhur Biol., No 3, 1959, 13381

Author : Dzharak'yan, T.K.

Inst : ~~.....~~

Title : Role of the Nervous Apparatus of the Spleen in the  
Process of Restoration of Leukocyte Count of Peri-  
pheral Blood in Acute Radiation Sickness

Orig Pub : Tr. Vses. konferentsii po med. radiol Eksperim. med.  
radiol. M., Medgiz, 1957, 49-51

Abstract : With roentgen radiation of 900 r and  $\gamma$ -radiation  
of 700 r spleenectomized rabbits and those subjected  
to novacain blocking (NB) developed radiation sick-  
ness (RS), which was determined by loss of weight and  
leukopenia, more readily than control animals.  
Blocking caused a leukocytosis about double that of  
control irradiated animals, beginning the 16th - 17th

Card 1/2

- 150 -

DZHARAK'YAN, T.K., FAKHRUTDINOV, G.F.

Effect of ionizing radiations on reflexes from intestinal receptors  
[with summary in English]. Med.rad. 3 no.2:11-19 Mr-Ap'58 (MIRA 11:5)

1. Iz Voyenno-meditsinskoy ordena Lenina akademii imeni S.M. Kirova,  
Leningrad.

(RADIATIONS, eff.  
on autonomic & motor reflexes from chemo-, baro- &  
thermoceptors of small intestine in dog (Rus))  
(INTESTINES, SMALL, eff. of radiations on  
ionizing radiations on chemo-, baro- & thermoceptors  
on autonomic & motor reflexes in dog (Rus))

DZHARAK'YAN, T.K.

Influence of the nervous system on the adrenal cortex.  
Biul. eksp. biol. i med. 51 no.6:24-28 Je '61. (MIRA 15:6)

1. Iz Voyenno-meditsinskoy ordena Lenina akademii imeni  
S.M. Kirova, Leningrad. Predstavlena deyatel'nym chlenom  
AMN SSSR A.V. Lebedinskym.  
(ADRENAL CORTEX) (NERVOUS SYSTEM)

DZHARAK'YAN, T.K.; TIKHONOV, K.B.

Vasodilation of the major arteries. Biul.eksp.biol.i med. 54 no.7:  
14-17 Jl '62. (MIRA 15:11)

1. Iz Voyenno-meditsinskoy ordena Lenina akademii imeni S.M.Kirova,  
Leningrad. Predstavlena deystvitel'nym chlenom AMN SSSR A.V.  
Lebedinskim.  
(ANGIOGRAPHY) (ARTERIES) (CONTRAST MEDIA)

S/0000/84/006/000/0162/0170

20 B+1

ENG(j)/EVT(m)  
AT5008042

GS

Vladimirov, V. G.; Il'inskiy, D. A.

Vlyan, T. K.;

Smirnov,

Elements of the mechanism of the R-17 missile  
and its components. Luchevykh Pechatnyy zhurnik

1981, 1982, 1983

1984, 1985, 1986, 1987

It is made of the following materials: 1) 100%

**"APPROVED FOR RELEASE: 03/20/2001**

CIA-RDP86-00513R000411830002-2

WILDE: 514

APPROVED FOR RELEASE: 03/20/2001

**CIA-RDP86-00513R000411830002-2"**

IZHARAK'YAN, T.K., general-mayor meditsinskoy sluzhby;  
VARSHAMOV, Yu.L., podpolkovnik meditsinskoy sluzhby

Primary reaction to irradiation; a review of the literature.  
Voen. med. zhur. no.10:10-14 0 '65. (MIRA 18:11)

L 3662-66 EWA(j)/ENT(m)/EWA(b)-2 RM

UR/0205/65/005/003/0415/0422

ACCESSION NR: AP5015732

628.58 : 577.391

33

32

B

AUTHOR: Dzharak'yan, T. K.; Golubentsev, D. A.; Vladimirov, V. G.TITLE: Effect of sulfur-containing radioprotective substances on biochemical changes  
in the irradiated organism

SOURCE: Radiobiologiya, v. 5, no. 3, 1965, 415-422

TOPIC TAGS: radioprotective agent, nucleic acids, cysteamine, adenosine triphosphoric acid, oxidative phosphorylation, ionizing radiation, spleen, thymus, intestine

ABSTRACT: The authors investigated the prophylactic effect of cysteamine and its disulfide (cystamine) on nucleic acid, ATP, and on the processes of oxidative phosphorylation in radiosensitive tissues of rats (spleen, thymus, small intestine) after exposure to ionizing radiation. Whole-body irradiation (600-750 r) resulted in rapid and severe disturbance of oxidative phosphorylation and of ATP, DNA, and RNA metabolism in the radiosensitive tissues. Administration of cysteamine or its disulfide (75-100 mg per kg of animal weight) did not wholly prevent such impairment.

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L 3662-66

ACCESSION NR: AP5015732

although the degree of impairment was less than when the radioprotective agents were not used. The magnitude of the level of DNA in individual small lymphocytes of the spleen determined by ultraviolet cytospectrophotometry showed that the protective effect of cystamine is exerted at the cell level in the intact organism. The prevention of injury in many radiosensitive cells by cysteamine and cystamine probably explains the fairly rapid regeneration of the hemopoietic tissues. Since the changes in oxidative phosphorylation parallel those in ATP and nucleic acid metabolism during radiation disease and since these changes are weakened by radioprotective compounds, a close connection must exist between the disruptions of the biochemical processes studied. Orig. art. has: 4 figures, 1 table.

ASSOCIATION: Voyenne-meditsinskaya akademiya im. S. M. Kirova, Leningrad (Military Medical Academy)

SUBMITTED: 17Aug63

ENCL: 00

SUB CODE: LS

NO REF SOV: 035

OTHER: 018

  
Card 2/2

L 35003-66 EMP(k)/EWT(d)/EMP(h)/T/EMP(l)/EMP(v) RH  
ACC NR: AP6019570 SOURCE CODE: UR/0115/66/000/004/0003/0006

AUTHOR: Arutyunov, V. O. (Doctor of technical sciences); Babakiy,  
Ye. V.; Dzharak'yan, T. K.; Krotkov, I. N.; Tishchenko, M. I.

ORG: none

36  
30

TITLE: Role and problems of metrology in biology and medicine

B

SOURCE: Izmeritel'naya tekhnika, no. 4, 1966, 3-6

TOPIC TAGS: ~~medical~~ metrology, biological metrology, medical equipment, standards, biological equipment standards, medical instrumentation, specifications, biological instrumentation specifications medical science

ABSTRACT: Particular need is felt for standardizing medical equipment used for the automatic control, registration, and regulation of biological functions, as well as for designing artificial organs. The importance of standard criteria in diagnosing, treating, and preventing disease requires that physical parameters be measured with maximum accuracy which is difficult to achieve without universally accepted standards. The ever-expanding mass and use of quantitatively evaluated, stored, and processed data calls for the development and establishment of a system of standard measurement units functionally related to units of physical and chemical measurement, as well as the consolidation of

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UDC: 389.0 : 61

L 35003-65

ACC NR: AP6019570

b

the different forms and aspects of a system of measurement to be designated as "biological metrology." In the Soviet Union, work in this field has been initiated by two affiliates of the Committee of Standards, Measures, and Measuring Equipment: the All-Union Scientific Research Institute of Metrology im. D. I. Mendeleev (VNIIM) and the All-Union Scientific Research Institute of Physicotechnical and Radio-technical Measurements (VNIIIFTRI). It is suggested that in addition to organizing special laboratories in VNIIM and VNIIIFTRI, specialists from the Academy of Sciences USSR and the Academy of Medical Sciences USSR be drawn into the work of developing plans for research in the above fields, and that an all-union conference be conducted under the auspices of the Academy of Sciences USSR, the Academy of Medical Sciences USSR, the Ministry of Higher Education, and the Ministry of Instrument Making to discuss proposed research in biological and medical metrology. Finally, it is recommended that a unified system of units be developed for measuring biological objects and phenomena, which can be coordinated with a universally accepted system of units, on the basis of which accurate, up-to-date equipment can be designed [SP] and built.

SUB CODE: 06/ SUBM DATE: none/ ORIG REF: 003/ OTH REF: 001

DZHARMALIYEVA, K.K.  
DA

PA - 2896

Card 1/3

PA - 2896

The Dependence on the Medium of the Amount of Hydrogen adsorbed on Nickel-Skeleton and Platinum Catalysts.

with platinum in NaOH and  $H_2SO_4$ . As from table 1, the amount of water extracted from the catalyst within 2 hours is reduced with the increase of the alkali concentration. The maximum quantity was 70 - 80 ml. As 1 g of the nickel catalyst contains 110 - 120 ml adsorbed hydrogen, not the entire adsorbed amount of hydrogen is extracted, but only the atoms which are weakly connected with the catalyst surface. With rising temperature the extracted amount of H increases. Orthonitrophenol was selected as a substance able to extract the total adsorbed quantity of H from the catalyst. From table 2 it may be seen that the extracted H quantity increases with increasing alkali concentration. Illustration 1 shows the kinetic and potential curves of the orthonitrophenol hydration in the case of different concentrations of alkali and at 60°. As may be seen, the potential of the catalyst is reduced abruptly after the introduction of O-nitrophenol in the course of the first minute, during which time also more than the half of the total quantity of hydrogen is extracted. This quantity increases with rising temperature, probably at the expense of the lower catalyst layers. Unlike nickel, the adsorbed H quantity in the case of platinum catalysts is nearly independent of the alkali

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PA - 2896

The Dependence on the Medium of the Amount of Hydrogen adsorbed on Nickel-Skeleton and Platinum Catalysts.

concentration. Table 5 shows that in the case of all alkali- and acid concentrations, about the same quantity of hydrogen is extracted from platinum. (2 illustrations, 3 tables).

ASSOCIATION: Kazakhian State University "S.M.Kirov" at Alma-Ata.

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DZHARDAMALIEVA, K. K.; SOKOL'SKIY, D.V.

Effect of the medium on the activity of a catalyst and the quantity  
of hydrogen adsorbed on it. Trudy Inst.khim.nauk. AN Kazakh. SSR.  
2:94-111 '58. (MIRA 12:2)  
(Catalysts, Nickel) (Hydrogenation)

DZHAKIYEV, K.K., Cand Chem Sci (ciss) "Concerning the relationship of the stages in catalytic hydrogenization reactions," Alma-Ata, 1960, 17 pp (Institute of Organic Chemistry imeni N. B. Zelinskii, Academy of Sciences USSR)  
(KL, 39-60, 114)

DZHARDAMALIYEVA, K.K.

Hydrazine catalyzed reduction. Trudy Inst.khim.nauk AN Kazakh.  
SSR 8:150-156 '62. (MIRA 15:12)  
(Reduction, Chemical) (Hydrazine)

SOKOL'SKIY, D.V., akademik, glav. red.; POPOVA, N.M., kand. khim. nauk, red.; ZAKUMBAYEVA, G.D., kand. khim. nauk, red.; BULAVKINA, L.A., kand. khim. nauk, red.; GREBENKINA, G.F., kand. khim. nauk, red.; DZHARDAMALIYEVA, K.K., kand. khim. nauk, red.; GLAZYRINA, D.M., red.; ROROKINA, Z.P., tekhn. red.

[Catalytic reactions in the liquid phase] Kataliticheskie reaktsii v zhidkoi faze; trudy Vsesoiuznoi konferentsii. Alma-Ata, Izd-vo AN Kaz.SSR, 1963. 459 p. (MIRA 16:12)

1. Vsesoyuznaya konferentsiya po kataliticheskim reaktsiyam v zhidkoy faze, Alma-Ata, 1962. 2. Kazakhskiy tekhnologicheskiy institut i Institut khimicheskikh nauk AN KazSSR (for Sokol'skiy).

(Catalysis)

ACC NR: AT7000938

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AUTHOR: Sokol'skiy, D. V.; Goryayev, M. I.; Sarmurzina, A. G.; Dzhardumaliyeva, K. Z.; Kurina, R. A.; Dombitskiy, A. D.

ORG: none

TITLE: Liquid-phase hydrogenation of 1-heptene on ruthenium-palladium catalysts of various compositions

SOURCE: AN KazSSR. Institut khimicheskikh nauk. Trudy, v. 14, 1966. Katalizatory zhidkofaznoy gidrogenizatsii (Catalysts of liquid-phase hydrogenation), 222-225

TOPIC TAGS: hydrogenation, heptene, ruthenium, palladium

ABSTRACT: 1-Heptene was hydrogenated in 96% ethanol at 20°C on Ru-Pd catalysts in which the Ru content was varied (19, 30, 44, 80 wt. % Ru). As the Ru content increased, the hydrogenation rate rose at first, reached a maximum at 70 wt. %, then decreased. The reaction was studied most thoroughly on catalyst with 30% Ru at 10, 20, 30, 40 and 50%. The S-shaped kinetic curves obtained suggest that the hydrogenation is associated with isomerization involving the displacement of the double bond to the center of the molecule and cis-trans isomerization. Chromatographic analysis and IR spectra showed that this isomerization of 1-heptene is limited to the formation of cis- and trans-2-heptene (in 20.5 and 33.7% maximum yield respectively). Orig. art. has 4 figures.

Card 1/1 SUB CODE: 07/ SUBM DATE: none/ ORIG REF: 007/ OTH REF: 008

ALEKSEYEV, O.I.; DZHARLIKAGANOV, U.A.; ZAVALISHIN, V.S.

Methods of calculating future technical and economic indices in selecting the optimum variant for boundary limits of an open-pit mine. Trudy Inst. gor. dela AN Kazakh. SSR 18: 3-8 '65.

Technical and economic evaluation of variants of boundary limits of an open-pit mine. Ibid.:87-92

(MIRA 18:12)

PLATIKANOV, Nikola; CHESHMEDZHIEV, B.; DZHAROVA, M.; POTUSHAROVA, E.

Problem of making the Cr<sub>2</sub>O<sub>3</sub> indicator method more accurate  
in determining the digestibility of rations. Izv Zhivotn  
nauk 1 no.2 1974 'c4.

1. Institute of Animal Husbandry, Rostinbrad. 2. Corresponding  
Member of the Bulgarian Academy of Sciences, and Member of the  
Board of Editors, "Izvestia na Akademikata na selkostepanskite  
nauki - Zhivotnovudni nauki" (for Platikanov).

DZHARRAKHOB, A.R.; BARENBOYM, A.I.

Successful testing of new high-strength brake shoes. Zhel.dor.  
transp. 42 no.9:94-95 S '60. (MIRA 13:9)

1. Glavnyy inzhener Kirovabadskogo otdeleniya Azerbaydzhanskoy  
dorogi (for Dzharrakhov). 2. Nachal'nik Byuro sodeystviya  
ratsionalizatsii i izobretatel'stu Kirovabadskogo otdeleniya  
Azerbaydzhanskoy dorogi (for Barenboym).  
(Railroads--Brakes)

INSTANTEN, V.B.; IZMANNIKOV, A.E.

Refluxing thermosetting materials in a vacuum. Int. Phys. Chem. Soc.; no. 12:24-30. '64 (Vols. 18-2)

1. Akademiya Nauk SSSR, Institute of Chemistry, Moscow, Russia.

KERIMOV, D.A.; MUSTAFAYEV, A.D.; DZHARRAKHOV, A.R.

Effect of moulding pressure on shrinkage. Izv. vys. ucheb. zav.;  
neft' i gaz 8 no.4:109-112 '65. (MIRA 18:5)

1. Azerbaydzhanskiy institut nefti i khimii im. M.Azizbekova.

DZHARTOV, L.

Rehabilitation in neuro-psychiatric diseases of children and  
adolescents. Suvar. med. 14 no.9:68-72 '63.

(MENTAL DISORDERS) (CHILD PSYCHIATRY)  
(ADOLESCENT PSYCHOLOGY) (REHABILITATION)

DZHARTOV, L.B.

Psychopathy-resembling states in the initial stages of schizophrenia in adolescents. Zhur. nevr. i psikh. 65 no.7:1045-1047 '65. (MIRA 18:7)

1. Nauchno-issledovatel'skiy institut nevrologii i psichiatrii (dir. - prof. G.Ganev) Ministerstva zdravookhraneniya Narodnoy Respubliki Bolgarii, Sofiya i kafedra detskoy psichiatrii (zav. - prof. G.Ye. Sukhareva) Tsentral'nogo instituta usovershenstvovaniya vrachey, Moskva.

DZHARYGLASINOVA, R. Sh.

Dessertation defended for the degree of Candidate of Historical Science at the  
Institute of the Peoples of Asia 1962

"Kogurestay (Historical-Ethnographical Study)."

Vestnik Akad. Nauk, No. 4, 1963, pp 119-145

DZHARYLGASINOVA, R. Sh.

Σ.

"Sootnosheniye severnogo i yuzhnogo komponentov v etnogeneze koreytsev."

report submitted for 7th Intl Cong, Anthropological & Ethnological Sciences,  
Moscow, 3-10 Aug 64.